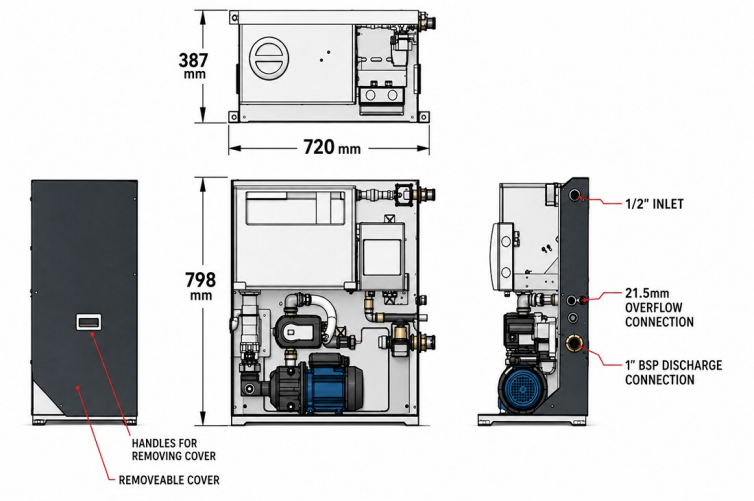
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# CAT5 Break Tank & Booster Set for Safety Showers




Product Code: CAT5-SH

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AirBREAK CAT5 Protection Unit

The AirBREAK is a high-performance CAT5 break tank and booster set designed for emergency safety showers and combined safety shower with eyewash installations.

Engineered to provide compliant Fluid Category 5 backflow protection, the system incorporates a Type AB air gap break tank arrangement to help protect the mains water supply from contamination risks associated with emergency wash equipment.

With high flow performance, WRAS approval and robust commercial construction, the AirBREAK is suitable for industrial, laboratory, pharmaceutical and hazardous workplace environments where emergency drench showers are required.

**Designed for Emergency Safety Shower Applications**

Emergency safety showers require significantly higher flow rates than standard eyewash equipment and often need dedicated boosted water supplies to maintain performance.

The AirBREAK has been designed for applications where safety showers or combined shower and eyewash units require both:

- High water flow rates
- CAT5 backflow protection compliance

The integrated break tank and booster arrangement helps provide a reliable water supply while maintaining separation from the mains water system.

ANSI Flow Rate Requirements for Safety Showers

ANSI Z358.1 guidelines typically require emergency safety showers to deliver a minimum flow rate of approximately 76 litres per minute for a continuous 15-minute flushing period.

Combined safety shower and eyewash units must also maintain sufficient flow to operate both shower and eyewash functions correctly.

The AirBREAK is capable of delivering flow rates of up to 108 litres per minute (1.8 l/s), making it suitable for supplying many emergency safety shower and combination safety shower/eyewash installations while also providing compliant CAT5 backflow protection via its integrated Type AB air gap system.

Final suitability should always be confirmed against the specific emergency shower equipment requirements and installation conditions.

**What is CAT5 Protection?**

Fluid Category 5 (CAT5) is the highest level of backflow risk classification under the UK Water Supply Regulations.

Safety showers and emergency wash equipment installed in hazardous environments can require CAT5 protection where contaminated water could potentially flow back into the mains supply.

The AirBREAK provides CAT5 protection using a Type AB air gap break tank arrangement, helping protect potable water supplies from contamination risks.

**Key Features**

- Fluid Category 5 backflow prevention compliant
- WRAS approved for non-wholesome use
- KUK Reg4 approved
- Type AB air gap protection
- High flow booster performance
- Fixed speed single pump system
- Integrated dry running protection with auto-reset
- Electronic pump controller with adjustable start pressure
- Conductivity probe tank level sensors
- Volt-free common fault contacts for BMS connection
- Suitable for wall mounted or floor standing installation

**Typical Applications**

Suitable for:

- Emergency safety showers.
- Combined safety shower and eyewash stations.
- Industrial emergency wash systems.
- Laboratory safety equipment.
- Pharmaceutical facilities.
- Chemical processing environments.
- Hazardous manufacturing areas.

Performance & Technical Specification

| Specification | Details |
|---|---|
| Maximum Operating Flow | 1.8 l/s (108 l/min) |
| Maximum Operating Pressure | 3.1 bar |
| Closed Valve Pressure | 3.4 bar |
| Tank Capacity | 36 litres nominal |
| Motor Power | 0.55 kW |
| Electrical Supply | 230/1/50 |
| Full Load Current | 3.9 A |
| IP Rating | IP44 |
| Delivery Connection | 1” BSP |
| Suction Connection | 1/2” BSP |
| Maximum System Pressure | 10 bar |
| Weight | 44 kg |

**Optional Extras**

Available optional extras include:

- Weatherproof kiosk enclosures.
- Stainless steel drip tray.
- Pressure reducing valve.
- Wall mounting bracket.

**Delivery Information**

PTo order usually 3 to 5 working days,

Need Help Selecting a CAT5 Safety Shower Supply System?

Our team can advise on suitable CAT5 protection systems for emergency safety showers and combined shower eyewash installations.

Contact Washware Essentials for advice.

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All dimensions shown are for guidance only and may be subject to change or alteration without notice. All items manufactured or purchased separately from a third party to fit our products should be checked against the actual dimensions of the physical product before purchase. We will not be liable for third party costs and consequential loss associated with the items not fitting third party components.**